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Quality Management in BCRC

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Food Industry Research and Development Institute (FIRDI) (Hsinchu city, Taiwan) Since 1965



Biological Materials Holding by BCRC

Microbial Resources

(Jun.30, 2010)

(Total > 24,000 strains)

Bacteria Fungi

Actinomycetes Mushrooms

Hosts Phages Yeasts

Patent Deposit

(Total > 1,700 strains)

Cell Resources

(Total > 18,000 cells)

Cell Bank

Stem Cell Bank

Taiwanese Genetic Cell Bank

Gene Resources

(Total > 927,000 clones)

Plasmids

Clones

Genetic Libraries





Quality Management System

◆ ISO 9001 (since 2001)



◆ **ISO 17025** (since 2007)







ISO 9001: Implementing Activity

- Depository of Patent-Related Biological Materials;
- Contract Microbial Identifications & Tests;
- ◆ Cultivation & Preservation of Animal Cells;
- Culture Collection, Preservation & Distribution;
- ◆ Collection, Preservation and Distribution of Genomic and Complementary DNA Libraries.





ISO 17025: Accredited Scope

Testing method	Testing Field	Accredited Item
Antibiotic Test (JIS Z 2801)	-Metals and Alloys Products	-Metal
	-Cements, Clays, Ceramics and Related Materials	-Glass
	-Cements, Clays, Ceramics and Related Materials	-Ceramics
	-Coatings, Printing Ink and Pigments	-Paint
	-Polymer and Composite Materials	-Plastic
Ames Test	-Foods	-Solid food, liquid food, health food
	-Drugs, Chinese Herbal Preparations and Pharmaceuticals	-Chinese herbal medicine
	-Chemical Reagent	-Chemicals
Legionella Test	-Environmental Protection	-Water Sample





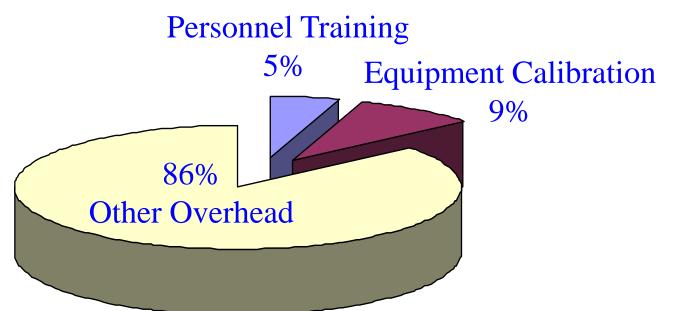
BPG is specially tailored for BRCs

- Organizational requirement
 - Long-term sustainability, Biosafety, etc.
- Preparation of media and reagents
- Accession and supply
- ◆ Preservation and maintenance
- **♦** Biosecurity
- Informatics
- Compliance with law





Implementing BPG will be costly



The maintenance cost directly associated with the ISO system in 2009

- 6.4% of the total cost in BCRC (excluding the technology development cost).
- Maintenance cost only, not including system introducing cost, or the cost already existed in BCRC before the system.
- Including management, auditing, monitoring and measurement, documentation, calibration, and training costs exclusive for ISO system.





BPG is complementary to ISO system

◆ "The quality management system requirements ... are complementary to requirements for products."
(cited from Introduction, ISO 9001:2008)

◆ BPG defines "requirements for BRCs".





Integration BPG into ISO system is recommended

◆ Establishing ISO quality objectives with BPG requirements step-by-step.

For example,

2011 2012 2013
Biosafety and Accession Preservation on and supply and maintenance ...



Thank you for your attention